GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA

STARRED QUESTION NO:164
ANSWERED ON:25.07.2002
ULTRASONIC TESTING
ABUL HASNAT KHAN

Will the Minister of RAILWAYS be pleased to state:

(a) whether ultrasonic testing of all moving parts such as wheels, axles etc. is being conducted in Indian Railways periodically;

(b) if so, the details thereof;

(c) if not, the reasons therefor;

(d) whether the officials are keeping records of wheel profiles after each periodic overhauling since derailment also occur whenever there is a substantial variation in the thickness of wheel flanges and the wheel diameter; and

(e) if not, the reasons therefor ?

Answer

MINISTER OF RAILWAYS (SHRI NITISH KUMAR)

(a) to (e) A statement is laid on the Table of the Sabha.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF THE STARRED QUESTION NO. 164 BY SHRI ABUL HASNAT KHAN TO BE ANSWERED IN LOK SABHA ON 25-07-2002 REGARDING ULTRASONIC TESTING.

(a) Ultrasonic testing of critical safety moving parts like axles is done in Indian Railways.

(b) and (c) Ultrasonic testing of critical safety components like axles is done at regular intervals during maintenance as prescribed in the Maintenance Manuals. In addition, wheel discs, tyres and armature shafts are other moving parts of rolling stock which are subjected to ultrasonic testing during manufacture.

(d) Important wheel profile parameters like wheel diameter and difference in wheel diameter are recorded in the workshops. Flange thickness is also checked to ensure that only wheels within presribed limits are permitted in service.

(e) Does not arise.